



August A. Busch Memorial Conservation Area
Powder Valley Conservation Nature Center
Rockwoods Reservation



Making Tracks

November 2001

Volume 01, Number 11

DESIGN FOR CONSERVATION *Celebrating 25 Years of "Promises Made, Promises Kept"*

by Patti B. Redel, Outreach & Education Regional Supervisor

Flashback: 1976

In an unprecedented move, Missourians vote to tax themselves for conservation efforts! The Design for Conservation Sales Tax was passed, which effectively earmarks 1/8 of 1 percent on all Missouri purchases for conservation and natural resource management.

Flash Forward: 2001

With that vote, a new era of conservation was born in Missouri; one that entrusted the Missouri Conservation Department to provide increased opportunities for our citizens to use, enjoy, and become stewards of our state's natural resources. Let's look at some of the benefits that Missourians have received as a result of the passage of Design for Conservation.

Powder Valley Conservation Nature Center recently celebrated its tenth year of operation! Along with the nature centers in Kansas City, Springfield, and Jefferson City, all are a direct result of the Design for Conservation promise of increased educational opportunities. Through interpretive exhibits and staff naturalists, Conservation Nature Centers have helped schools, scouts, businesses, and the general public learn about our forests, fish and wildlife in exciting and dynamic ways. Stop by Powder Valley this year. You won't be disappointed!

Our Natural History Division, along with Natural History and Endangered Species Biologists, was born with Design. They are responsible for keeping abreast of the status of the plant, animal species and designating unique habitats throughout Missouri. The Natural Areas and Urban Wild Acres are examples of their efforts. Visit Victoria or Valley View Glades sometime for a treat to your senses!

What about the promise of increased public lands, fishing opportunities and expanded research studies? All of these have benefitted from the passage of Design for Conservation. Throughout the state, Missourians have enjoyed hunting, fishing, hiking and bird watching on newly acquired conservation areas. Hilda Young, Forest 44 and Columbia Bottom Conservation Areas are examples in the St. Louis Region. Each offers a unique outdoor experience that begs a visit. Fishing accesses on our rivers have also expanded. Truman, Allenton and North Riverfront Park accesses are enjoyed by thousands of sportsmen annually.

Design for Conservation promised expanded research on our state's flora and fauna. Our staff of research biologists constantly monitors the population and quality of Missouri's plant and animal species, both terrestrial and aquatic. Their thorough research studies are "litmus tests" for the overall health of our forest, fish and wildlife, and provide critical data for their management.

Design for Conservation is a nationally acclaimed program that is heralded by every other state and even copied by a few. Missourians have always been conservation-minded and immensely generous. It took a leap of faith in 1976 to tax ourselves, but the benefits we all receive from that have been considerable. As we celebrate 25 years of Design for Conservation, take the time to visit a nature center, shooting range, conservation area or fishing access and let us do just that. You will be proud of the results of the trust Missourians showed 25 years ago; those of us who work hard every day to earn that trust certainly are!



News from
Powder Valley Conservation
 Nature Center

**11715 Cragwold Road
 Kirkwood, MO 63122
 (314) 301 - 1500**

LOCATION: From I-44 east in Kirkwood, take Watson Road, exit and turn north on Geyer Road. Follow Geyer Road 200 yards to Cragwold Road. Go 1 mile west on Cragwold Road.

AREA HOURS:
 Daylight Savings Time:
 8 a.m. to 8 p.m. Central
 Standard Time: 8 a.m. to
 6 p.m.

**NATURE CENTER
 HOURS:** Open all year,
 7 days a week, from 8 a.m.
 to 5 p.m.

GIFT SHOP HOURS:
 Open all year, 7 days a
 week, from 8 a.m. to
 4:30 p.m.

ABOUT THE AREA:
 112 acres of forestland and
 winding creeks, three hiking
 trails (one wheelchair
 accessible). Open to
 visitors free of charge.



Resident Artisans

Wood burning Wildlife

Saturday, November 3
 10:00 a.m. - 3:00 p.m.

Sunday, November 4
 Noon - 4:00 p.m.

(All ages) Powder Valley is proud to have freelance artist, Lynda Rosenthal demonstrate wood burning techniques with Missouri wildlife themes in our lobby November 3 & 4. Some pieces will be painted - several burned on basswood. Finished pieces will be on sale just in time for the holidays. Come learn this timeless skill.

Flower & Herb Pressing for the Holidays

Saturday, November 17
 10:00 a.m. - 3:00 p.m.

Sunday, November 18
 Noon - 4:00 p.m.

(All ages) Back by popular demand, Patricia and Lee Schulte will be demonstrating in our lobby how to keep spring alive for the holidays with their flower and herb pressed ornaments and decorations. See Patricia create awesome ornaments that will transform your Holiday tree into a botanical dream. The ornaments make great gifts too! The Schultes will have lots of things for sale, just in time to make your holidays something special.



A Fall & Winter Birding Festival

Join us at a new 3-part program on how to best enjoy fall and winter birding adventures. Presented as a joint effort of the St. Louis Audubon Society and Powder Valley Conservation Nature Center. The program is open to all ages and is free of charge.

Saturday, November 17

Sunday, November 18

*(Saturday, 2:00 p.m. - 3:00 p.m.) An interactive classroom session for children (age 6 and up with parents) illustrating: the parts of a bird and their function; the life cycle of a bird; environmental effects on birds and how you can help.

*(Saturday, 3:00 p.m. - 4:00 p.m.) An auditorium program sharing a superb video illustrating how to improve existing bird watching skills, followed by slides of the best fall and winter birding locations around St. Louis. Several handouts will be available, including directions to the Sunday Field Trip.

*(Sunday, 8:00 a.m. - 11:00 a.m.) A field trip at one of the best nearby areas to see over 20 kinds of ducks and other water birds. Location to be announced.

Scores of ducks and geese are arriving each week from the north. Soon bald eagles will be here in larger numbers. Bird watching is one of the fastest growing outdoor activities in America. Join us for this special 3-part program and start enjoying fall and winter birding adventures.

Reservations begin October 31, 2001. Call (314) 301-1500 to register.



Congratulations to Alanna Cirio!

She's earned the Conservation Trailblazer sterling silver medal, an upper level achievement, for participation in the Conservation Frontiers program at Powder Valley. No easy feat, Alanna has reached this milestone by accumulating 18,000 points. Now eleven, Alanna first became acquainted with Powder Valley as a toddler while attending our preschool programs, hiking the trails and exploring the Center's exhibits.

At the age of seven, Alanna joined Powder Valley's Conservation Frontiers chapter. Since then she's gone camping and fishing; built bird and bat houses and studied Missouri's wildflowers, trees, insects, amphibians, birds, mammals and crops. Alanna has been a spokesperson for the program and participated in the group's community service projects as well. Alanna's experience at Powder Valley has influenced other areas of her life. Her conservation related science fair projects have been recognized by the Greater St. Louis Science Fair as well as the Missouri Department of Conservation. As a girl scout, she has earned many badges related to ecology and conservation.

We are very proud of Alanna and wish her continued success as she strives to reach her goal of achieving the Frontiers' highest honor, the Missouri Conservationist plaque. **Way to go Alanna!**



News from

Rockwoods Reservation

Frost Flowers

by Keri Lanning, Naturalist

During the first hard freeze this month a strange and unusual phenomenon occurs. A “flower” will emerge for only a short time. One so delicate and wispy that an evening breeze can shape it and it can vanish in the morning sun’s rays. This flower is so powerful it causes individuals to emerge from their nestled spots deep within their comforter to bundle-up and head into the frozen morning landscape in search for these cool morning gems. One might ask “what ‘flower’ could be so powerful?” Well, this answer is simple: Frost Flowers.

Frost flowers are nature’s neat little way of looking at basic physics at work. The name is a little deceiving because one might assume they are made of frost and in the shape of little flowers but actually neither is the case. These structures are made of ice and their shape is not really flower-like but instead thread-like. Frost flowers are created by plants that still have soft, fleshy stems into the cooler fall mornings. These plants may or may not still be green. Water inside the fleshy stem freezes due to the cold evening temperatures and, as basic physics has taught us, when water freezes it begins to expand. The tender stem cannot contain the pressure created by the newly expanded frozen water, so the stem will split creating tiny slits for the ice to seep through. Since the slits are so small, only a very thin strand of ice can escape at a time. These strands can be manipulated by the evening breeze creating swirling patterns of ice around the stems of these plants. The image it creates is slightly reminiscent of cotton candy being formed on the stick. Since these strands are very thin it only takes a little heat to melt these little ice sculptures. So the best time to view these are early mornings following a hard freeze.

If your interest is sparked and you would like to look for frost flowers there is good news. The plants that typically create these wonders are very common. Look around weedy fencerows, stream banks, roadside ditches, weedy gardens and moist, open woodlands. Scout the area for wildflowers that mature late in the year like Ironweed or Dittany. Beyond that it is happy hunting. You may want to take your camera because few know about or have seen these natural wonders and you may need a few visual aids to explain to friends and neighbors why you were out poking around the weeds on such a cold morning!



Frost flowers at Rockwoods!

If you’re inspired to bundle up and view one of these unusual structures, try taking an early morning hike at Rockwoods!

One of the best viewing places is along the ridges of the Rock Quarry Trail.

*Please come and take a look
at Rockwoods’ Monthly Exhibit
in the classroom on
Notables Nature in November!*



**2751 Glencoe Road
Wildwood, MO 63038
(636) 458 - 2236**

LOCATION:

From I-44, take Hwy 109 (Eureka exit) north 4 miles to Woods Avenue; left on Woods Avenue, and then immediately right on Glencoe Road; follow signs. From Hwy 40 (I-64), take Clarkson Road south to Manchester Road; right (west) on Manchester to Hwy 109; left (south) on Highway 109, 2 miles to Woods Avenue; right on Woods Avenue, and then immediately right on Glencoe Road; follow signs. From Manchester Road, take Hwy 109 south 2 miles to Woods Avenue; right on Woods Avenue, and immediately right on Glencoe Road; follow signs.

AREA HOURS: Sunrise until 1/2 hour after sunset.

VISITOR CENTER

HOURS: Open seven days a week all year, except holidays, from 8 a.m. to 5 p.m.

ABOUT THE AREA:

All facilities are free to the public including:

- *Education Center with exhibits and interpretive programs.
- *1,898 acres of rugged, mostly hardwood forested land interspersed with springs and streams.
- *Two picnic areas (one with charcoal grills) with drinking water, tables, and toilets.
- *Seven trails (one is self-guided and wheelchair accessible) totaling more than 10 miles.

How to register for a

NOVEMBER Program

Reservations are required unless otherwise specified. Reservations will be taken Monday through Friday from 8:00 a.m. to 5:00 p.m. Programs are intended for individuals and families only. If you are unable to attend a program, please call and cancel your reservation as a courtesy to those on our waiting list. **Please be prompt. Arrival after 10 minutes may exclude you from the program.** Interpreting services are available for people with hearing loss with five days advanced notice.

ROCKWOODS

For reservations, call (636) 458 - 2236

2 Home School Special-

“Helping Wildlife in Winter”

Friday 10:00 a.m. - 11:30 a.m.
(Ages 8-12) Come learn some tips on caring for wildlife during the difficult winter months. (Reservations begin October 22.)

3 Bird Feeding Workshop

Saturday 10:00 a.m. - 11:30 a.m.
(Families) Learn what seeds attract which birds and then build a feeder (one per family) to take home to try out your new knowledge. Please bring a hammer. (Reservations begin October 22.)

8 Toddlng Into Nature

Wonderful Winter Wildlife

Thursday 10:15 a.m. - 11:15 a.m. & 1:15 p.m. - 2:15 p.m.
(Ages 3-6) What do wildlife do in the winter? Join us as we investigate our winter wildlife and discover what they do in the coming cold months. Make a small wildlife feeder to take home and attract some winter wildlife to your yard. (Reservations begin October 29.)



BUSCH AREA

For reservations, call (636) 441 - 4554

3

Clark Hike

Saturday 9:00 a.m. - 1:00 p.m.
(Ages 15 & up) Join us for a 5.3 mile hike on the Clark Trail and learn about different forest management practices, including controlled burns. Meet at trail head on Hwy 94. (Reservations begin October 19.)

4

Discovery

Table:

MO Mammals

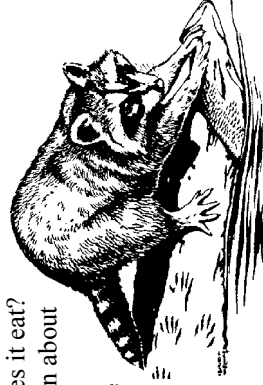
Sunday 11:00 a.m. - 2:00 p.m.
(All Ages) Visit the discovery table and learn about some of the mammals that live in Missouri. (No Reservations Required.)



7

Raccoons Adventure

Wednesday 9:30 a.m. - 10:30 a.m. & 11:00 a.m. - Noon
(Ages 3-6) What is a raccoon? Where does it live? What does it eat? Come and learn about these “masked bandits” of the night. (Reservations begin October 24.)



8

Homeschool Special:

Microscopic Predators

Thursday 9:00 a.m. - 10:00 a.m. & 10:30 a.m. - 11:30 a.m.

POWDER VALLEY

For reservations, call (314) 301-1500

Please limit requests to two programs per month, with only one to include an Ages 3-6 program. Call for free nature film schedule and titles.

5

Let's Talk Turkey

Monday 10:00 a.m. - 11:00 a.m. & 1:00 p.m. - 2:00 p.m.
(Ages 3-6) Do all turkeys gobble? Let's find out and learn other interesting facts about Missouri's largest birds. (Reservations begin October 23.)



5&19

Lewis & Clark Expedition

Monday 10:00 a.m. - 11:30 a.m.
(Adults) Travel the Lewis & Clark Trail vicariously with a volunteer naturalist who was fortunate enough to have done it. (Reservations begin October 23 and November 6 respectively.)

16

Getting Ready For Winter Stories

Friday 7:00 p.m. - 9:00 p.m.
(All Ages) Look forward to winter with stories for everyone. (If you attended last month, please allow someone else to sign up this month.) Will be held indoors if extremely cold and/or wet. (Reservations begin November 2.)

16

Homeschool Special

Preparing for Winter Hike

Friday 1:00 p.m. - 2:00 p.m.
(Ages 3-6) How do plants and animals get ready for winter? Find out as we walk Tanglevine Trail. Dress for the weather. (Reservations begin November 2.)

16

Homeschool Special

Preparing for Winter Hike

Friday 1:00 p.m. - 2:00 p.m.
(Ages 7-12) Why do leaves turn colors? Where do some animals go in the winter? How do those that stay survive? Find out as we walk Hickory Ridge Trail. (Reservations begin November 2.)

17&18

A Fall & Winter Birding Festival

10 Squirrel Feeder Workshop

Saturday 10:00 a.m. - 11:00 a.m. &
Noon - 1:00 p.m.

(Families) Join us as we build a squirrel feeder and learn about the habits of these common rodents. Please bring a hammer. One feeder per family. (Reservations begin October 29.)

14 Homeschool Special Fantastic Holiday Paper Making

Wednesday 1:00 p.m. - 3:00 p.m.

(Families) Beautiful colors made out of recyclable paper and dried materials, each participant will take home a finished item. Bring one or two old towels. (Reservations begin November 5.)

17 Fantastic Holiday Paper Making

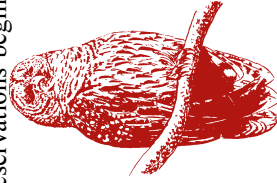
Saturday 1:00 p.m. - 3:00 p.m.

(Families) Beautiful colors made out of recyclable paper and dried materials. Each participant will take home a finished item. Bring one or two old towels. (Reservations begin November 5.)

28 Owl Prowl

Wednesday 7:00 p.m. - 8:30 p.m.

(Families) Did you know that owls eat skunks and that they have silent flight? Learn the how's and why's of owl behavior. There will be a presentation in the classroom and then we will head to the woods on our "Owl Prowl." Owl hooters are welcome. (Reservations begin November 19.)



Saturday 1:00 p.m. - 2:00 p.m.

(Ages 10-16) Explore the miniature world of single celled organisms. Observe the beginning and end of the food chain in a single drop of water. Participants will learn how to use a microscope. (Reservations begin October 25.)

10 Flowers in Tissue

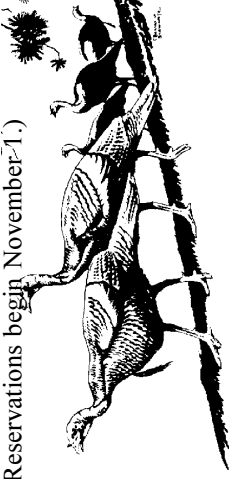
Saturday 10:00 a.m. - 11:00 a.m.

(Adults) Learn how to identify wildflowers, then make a collage of tissue flowers. (Reservations begin October 26.)

15 Great Gobblers!

Thursday 9:30 a.m. - 10:30 a.m. &
11:00 a.m. - Noon

(Ages 3-6) Learn what makes a turkey gobble...and how the turkey you eat for Thanksgiving is different from the turkey in the woods! (Reservations begin November 1.)



Saturday
Sunday

2:00 p.m. - 4:00 p.m.
Optional Field Trip

(All Ages) A new 3-part program on how to best enjoy fall and winter birding adventures presented as a joint effort of the St. Louis Audubon Society and Powder Valley Conservation Nature Center. See Page 2 for more details. (Reservations begin October 31.)

17&24 Identification of Common Missouri Trees

Saturday 10:00 a.m. - 11:30 a.m.

(Adults) Walk a trail to identify our common trees and their uses. (Reservations begin November 6 and 13.)

27 Awesome Owls

Tuesday 10:00 a.m. - 11:00 a.m.

(Ages 3-6) Learn through story and craft how awesome owls really are. Whooo knows? Maybe you'll find an owl pellet to dissect. (Reservations begin November 2.)

29 Rocking Chair Discovery Story Time

Thursday 10:00 a.m. - 10:45 a.m. &
1:00 p.m. - 1:45 p.m.

(All Ages) Come enjoy a fun-packed time of hearing stories, using puppets, and experiencing surprises galore! (No Reservations Required.)

Powder Valley Conservation Nature Center Nature Films For November

Shown in Auditorium - Free of Charge - Groups Welcome!

No Reservations Required

November 3 & 4

10:00 a.m. - 11:00 a.m. & 1:00 p.m. - 2:00 p.m.

Just Kiddin' Around

Keep the Balance

11:00 a.m. - Noon & 2:00 p.m. - 3:00 p.m.

Time Shadows: Encounter Whitetail

Hunting Safety & Equipment

November 10 & 11

10:00 a.m. - 11:00 a.m. & 1:00 p.m. - 2:00 p.m.

Eyewitness: Life

See How They Grow: Wild Animals

11:00 a.m. - Noon & 2:00 p.m. - 3:00 p.m.

Fighting Fires

BF (Hunter Ed, Walnut, Archery Deer, etc.)

November 17 & 18

10:00 a.m. - 11:00 a.m. & 1:00 p.m. - 2:00 p.m.

1 Dig Fossils

Eyewitness: Dinosaur

11:00 a.m. - Noon & 2:00 p.m. - 3:00 p.m.

Birds of the Backyard: Winter into Spring

November 24 & 25

10:00 a.m. - 11:00 a.m. & 1:00 p.m. - 2:00 p.m.

The Nature Connection

11:00 a.m. - Noon & 2:00 p.m. - 3:00 p.m.

Return of the Wild Turkey

Guarding Our Living Environment

News from

August A. Busch Memorial Conservation Area

TAKE A HIKE

by Shanna Raeker, Naturalist

What's the best time of year to go for a hike? Your first answer might be April because of the wonderful array of wildflowers in bloom. Or maybe you think October is a good time to hike to view the fall color. Well, both of these are enjoyable times to go hiking, but have you ever considered November to be a better time to take a hike? Early winter is a wonderful season to hike for many reasons.

The temperature in November is perfect for hiking. It's warm enough that you don't have to wear a heavy coat and cool enough that you won't sweat a lot. You can dress in layers and remove clothing as you get warmer. Even though it's not scorching hot outside, it is still important to take plenty of drinking water along on your hike.

In November, there are very few leaves on the trees if any. You may think this would make for a dreary landscape, but it actually enhances the view by allowing you to see great vistas that are normally hidden by the leaves. You should also have a better chance of seeing wildlife with the unobstructed view.

There are several trails at the August A. Busch Memorial and Weldon Spring Conservation Areas in which you can hike. So go ahead, put your hiking boots on and enjoy a November hike!

There are a few safety items to keep in mind when going on a hike this time of year. November is the month for archery and firearms deer season. When hiking in the woods, you

should wear a hunter orange hat or vest at all times and **do not wear any white**. It is also important to watch for poison ivy. Even though it does not have leaves, you can still get a rash. Poison ivy can be identified by the presence of fine hair-like structures on the vine.

Have fun and enjoy the Missouri outdoors!



Winter Trout Fishing At Busch

by Marvin Boyer, Fisheries Biologist

Good news for the year-round angler! August A. Busch Memorial Conservation Area is kicking off the Winter Trout Program for the third year. Rainbow trout will be stocked in five lakes from November through February.

Trout fishing in the St. Louis Region is growing in popularity and outstanding fishing opportunities are available. The Missouri Department of Conservation is stocking rainbow trout in Busch Lakes 22, 23, and 24 which are managed as put-and-take fisheries under statewide regulations. Anglers with a trout permit can harvest up to 5 trout per day and may fish with bait if they prefer. These lakes are stocked twice a month from November to February. The fishing is typically excellent at these lakes during the winter. Busch Lakes 21 and 28 are managed as catch-and-release for trout between November 1 and January 31. These lakes are stocked twice in the winter with rainbow trout. No natural or scented baits can be used and no trout may be possessed until after January 31. A trout permit is needed for any angler to harvest trout and a Missouri fishing license is required for anglers between the ages of 16 and 65.

The Winter Trout Program is a super way to introduce people to the sport of fishing. The convenient location and abundance of trout should make it easy for beginners to get some practice close to home. It is a nice place to teach beginners and kids to fish because it is well developed for fishermen, highly accessible, the trout lakes are relatively obstacle free and the area has conveniences of restrooms and picnic tables. Bait fishermen will be successful using commercial trout cheeses and meal worms. Some anglers bring several colors and flavors to experiment with. Fly-fishermen do well at the catch and release lakes. Some excellent fishing can be found when insects are hatching in the evenings. Usually insects hatching in the winter are tiny: successful fishermen frequently use a large fly such as wooly worm or leech followed by a tiny (#20 to #24) nymph. The trout are attracted to the big fly, but most frequently eat the smaller fly. The best advice is to switch flies frequently until you find the magic fly or proper combination of flies. The only truly golden rule is that you need light line to consistently catch trout.

Get out and enjoy the outdoors this winter. Now is a great time to introduce someone to the joys of fishing. For more information call the St. Louis Regional Office at (636) 441-4554.



**2360 Highway D
St. Charles, MO 63304
(636) 441 - 4554**

LOCATION:

From Hwy 40, take 94 south to Hwy D; turn west on D for approx. 1 miles.
From I-70, take 94/First Capitol exit; turn south on Hwy 94 to Hwy D; turn west on D for approx. 1 miles.
The area entrance is on the north side of Hwy D.

HOURS: Area is open from 6 a.m. until 10 p.m. See area regulations for special hunt hours. Fishing hours are from 6 a.m. until 9 p.m. Rental boats are available April 1 through September 30. The office is open Monday through Friday from 8 a.m. until 5 p.m. and Saturday and Sunday from 8 a.m. until 4 p.m. It is closed some state holidays.

ABOUT THE AREA: 6,987 acres with 32 lakes and 40 ponds totaling 526 acres of water for fishing. There are six viewing blinds (two are wheelchair accessible), seven hiking trails totaling 5 miles, picnic area, staffed firearms range, and fishing jetties (some are wheelchair accessible). The area has interpretive programs, exhibits, demonstration sites and is used by bicyclists.

Missouri Meetings



The Educators' Niche

by Barb Sandhagen, Education Program Coordinator

Missouri Meetings

Come find out what the Education Division of the Department has available for you at one of three teacher conferences scheduled for this month! If you have never attended a **MEEA** conference; this may be of interest to you. The acronym **MEEA** stands for the Missouri Environmental Education Association. **MEEA** will be holding their 6th Annual Conference at Marriot's Tan-Tar-A Resort at the Lake of the Ozarks on November 9-11, 2001. The conference includes more than 40 different presentations and workshops for all disciplines and grade levels. Field trips to an exhibit hall are also included. For more information about the conference, scholarships and how to register,

contact Lorie Thunhorst, MU Conference Office, 573-882-2429. You can also take a

Word of the Month:

What is the name for a young (less than a year) male Wild Turkey?
A jake!

look at their website: http://muconf.missouri.edu/Environmental_Education. If you are a member of either **MNEA** or **MSTA**, the Missouri National Education Association

and the Missouri State Teachers Association. Consider attending their annual conferences in St. Louis in November. **MNEA** meets at America's Center, November 14-15 followed by **MSTA's** meeting at the Millennium Hotel on November 16 and 17. St. Louis area Department of Conservation Education Consultants will have a booth in the exhibit area at both conferences to answer your questions. We'll also have education materials and items from the Department's Nature Shop on hand. We hope to see you at one of the conferences. For more information visit: www.mnea.org or www.msta.org.



WONDERS OF THE OUTDOOR WORLD

COMING TO THE ST. LOUIS AREA

Learn Exciting Outdoor Skills!

May 3-5, 2002

Step into Mother Nature's classroom
for a fascinating adventure.

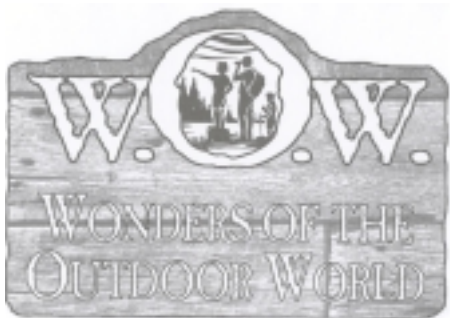
Master new outdoor skills or improve existing ones.

Fun for the entire family
Experience not required!

National Outdoor Recreation and Conservation School
Dr. Edmund A. Babler Memorial State Park
Wildwood, MO

*Information packets will be available starting
January 2002*

Be sure to check **Making Tracks** in
December and January for further information!



Designs in Nature

From the way that seeds are arranged in a sunflower, to the spiraling tendrils of a grape vine, nature has come up with ingenious and beautiful designs for all to enjoy. Take your kids outside and look for interesting shapes and patterns.

What can you find that is six sided (a hexagon)? Look at a honeycomb or snow crystals. Spirals are common in nature, from the nautilus shell to grape tendrils, circles are everywhere. Drops of water, mushroom caps and rocks also have spherical shapes.

Look for other shapes and patterns, too. Tree bark, leaves, feathers, grass, acorns, seed pods, even animal scat have interesting designs. Use your school grounds or nearby park for a grand outdoor scavenger hunt. Be creative, nature certainly is!



BUSCH RANGE

Hours for November 2001:

10:00 a.m. - 4:00 p.m. Friday - Tuesday

Closed Wednesday & Thursday

For more information,
call 636.441.4554 ext. 251

HENGES RANGE

Hours for November 2001:

10:00 a.m. - 4:00 p.m. Wednesday - Sunday

Closed Monday & Tuesday,
Special Events & Holidays

For more information,
call 636.938.9548



Making Tracks
Missouri Department of Conservation
2360 Hwy D
St. Charles, MO 63304
www.conservation.state.mo.us

PRSRT STD.
U. S. POSTAGE PAID
MO DEPT OF CONSERVATION



Making Tracks

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Interpretive Programs Supervisor, Rockwoods:

Tom Meister

Volunteer Milestones

Rockwoods Reservation

Mary Demmitt.....600 hours
Kathy Edwards.....1600 hours
Sheila Mapes.....300 hours
LaVerne Koyn.....800 hours
Joe Ritter.....200 hours
Linda Tinker.....300 hours

Busch Conservation Area

Billy Key.....100 hours
Dick Baumann.....1100 hours
Al Newman.....1300 hours
Marv Staloch.....1500 hours

*Thanks for all your
effort and help!*

Powder Valley Nature Center

Bob Anderson.....1900 hours
Alma Dulz.....2400 hours
Karen Goellner.....1600 hours
Eleanora Markus.....200 hours
Jack McGinnis.....3500 hours
Rita Mueller.....500 hours
Joseph Schleeper....700 hours
Kris Shannon.....300 hours
Marjorie Yamada..2000 hours
Animal Care Volunteer..39 hours